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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 01-Feb-23

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.891600e-001
h =  1.350358e-001
i = -5.321246e-004
j =  5.804611e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.7605e-007
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2716.75	0.00000	0.00000
1.0000	34.6258	2.96123	5432.53	2.96130	0.00007
4.5000	34.6055	3.26679	5638.18	3.26674	-0.00004
15.0000	34.5616	4.24366	6249.64	4.24354	-0.00012
18.5000	34.5518	4.58705	6450.54	4.58703	-0.00002
24.0000	34.5402	5.14208	6762.29	5.14230	0.00022
29.0000	34.5300	5.66068	7040.37	5.66057	-0.00011
32.5000	34.5183	6.02987	7230.89	6.02822	-0.00165

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity